06918600 LITTLE SAC RIVER AT WALNUT GROVE, MO
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 37°23'55", long 93°24'36", NE 1/4 SW 1/4 sec.24, T.31 N., R.23 W., in Greene County, Hydrologic Unit 10290106. Sampling site is on Highway BB about 7.5 mi east of Walnut Grove and 6 mi south of Morrisville.

DRAINAGE AREA.--119 mi^2.

PERIOD OF RECORD: Water years 1974 to 1978, 1984 to 1986, 1988 to 1990, November 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	OXYGEN, DIS-SOLVED (mg/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (mg/L) (00340)	COLI-FORM, FECAL, 0.7 µm-MF (COLS./ 100 mL) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 mL) (31673)	ALKA-LINITY WAT WH TOT FET FIELD (mg/L as $CaCO_3$) (00410)
NOV											
07...	1430	25	11.5	948	8.0	9.1	83	--	58	43	204
JAN											
16...	1430	28	8.0	947	8.5	13.0	111	10	K8	K8	214
MAR											
19...	1330	28	8.5	860	8.3	9.4	80	--	41	21	204
APR											
03...	0735	29	11.0	739	8.0	9.2	84	--	36	35	211
JUN											
18...	1700	76	27.0	784	8.0	6.7	84	<10	220	110	212
AUG											
05...	1310	23	27.0	660	8.0	7.0	90	--	170	140	195

DATE	BICAR-BONATE WATER WH IT FIELD (mg/L as HCO_3) (00450)	CAR-BONATE WATER WH IT FIELD (mg/L as CO_3) (00447)	NITRO-GEN, NO_2+NO_3 TOTAL (mg/L as N) (00630)	NITRO-GEN, NITRITE TOTAL (mg/L as N) (00615)	NITRO-GEN, AMMONIA TOTAL (mg/L as N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (mg/L as N) (00625)	PHOS-PHORUS TOTAL (mg/L as P) (00665)	PHOS-PHORUS ORTHO TOTAL (mg/L as P) (70507)	HARD-NESS TOTAL (mg/L as $CaCO_3$) (00900)	CALCIUM DIS-SOLVED (mg/L as Ca) (00915)
NOV										
07...	247	0	1.60	0.010	0.020	0.60	0.460	0.440	--	--
JAN										
16...	254	4	1.20	0.010	0.050	0.77	<0.020	0.050	210	73
MAR										
19...	229	0	0.660	0.010	0.050	0.58	0.090	0.090	--	--
APR										
03...	263	0	1.30	0.010	0.020	0.47	0.080	0.060	--	--
JUN										
18...	259	0	1.10	<0.010	0.060	0.70	<0.020	0.130	240	84
AUG										
05...	241	0	0.870	<0.010	0.040	0.53	0.850	0.800	--	--

DATE	MAGNE-SIUM, DIS-SOLVED (mg/L as Mg) (00925)	SODIUM, DIS-SOLVED (mg/L as Na) (00930)	POTAS-SIUM, DIS-SOLVED (mg/L as K) (00935)	SULFATE DIS-SOLVED (mg/L as SO_4) (00945)	CHLO-RIDE, DIS-SOLVED (mg/L as Cl) (00940)	FLUO-RIDE, DIS-SOLVED (mg/L as F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (mg/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (mg/L) (00530)	ALUM-INUM, TOTAL RECOV-ERABLE (µg/L as Al) (01105)	ALUM-INUM, DIS-SOLVED (µg/L as Al) (01106)
JAN										
16...	7.2	92	8.8	30	150	0.70	546	7	120	<20
JUN										
18...	7.0	61	6.1	21	110	0.30	446	37	410	7.0

DATE	CADMIUM TOTAL RECOV-ERABLE (µg/L as Cd) (01027)	CADMIUM DIS-SOLVED (µg/L as Cd) (01025)	COPPER, DIS-SOLVED (µg/L as Cu) (01040)	IRON, DIS-SOLVED (µg/L as Fe) (01046)	LEAD, TOTAL RECOV-ERABLE (µg/L as Pb) (01051)	LEAD, DIS-SOLVED (µg/L as Pb) (01049)	MANGA-NESE, DIS-SOLVED (µg/L as Mn) (01056)	MERCURY TOTAL RECOV-ERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOV-ERABLE (µg/L as Zn) (01092)	ZINC, DIS-SOLVED (µg/L as Zn) (01090)
JAN										
16...	<1	<1.0	2.8	14	3	3.0	11	<0.10	30	29
JUN										
18...	1	<1.0	1.5	4.0	2	<1.0	38	<0.10	10	7.2

K--Results based on colony count outside the acceptable range (non-ideal colony count).